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DATE MAILED: 11/30/2010

NOTICE OF ALLOWANCE AND FEE(S) DUE

65913	7590	11/30/2010				EXAMINER		
NXP, B.V.	XP, B.V.		ZIA, SYED					
	LECTUAL P	PROPERTY & LICE	ENSING		ART UNIT	PAPER NUMBER		
M/S41-SJ					2431			

 APPLICATION NO.
 FILING DATE
 FIRST NAMED INVENTOR
 ATTORNEY DOCKET NO.
 CONFRMATION NO.

 10/587,727
 07/26/2006
 Daniel Timmermans
 NI_040060US1
 1413

TITLE OF INVENTION: PROTECTION AGAINST POWER ANLYSIS ATTACKS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/28/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

1109 MCKAY DRIVE

SAN JOSE, CA 95131

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

appropriate. All further indicated unless corrects maintenance fee notifica	correspondence includired below or directed oth	ng the Patent, advance on herwise in Block 1, by (a	rders and notification of r a) specifying a new corres	pondence address; a	Il be mailed to the currer and/or (b) indicating a sep	at correspondence address as parate "FEE ADDRESS" for
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SAN JOSE, CA						(Depositor's name)
			<u> </u>			(Signature)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/587,727 TITLE OF INVENTION	07/26/2006 PROTECTION AGAIN	NST POWER ANLYSIS	Daniel Timmermans	NL040060US1		1413
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/28/2011
EXAM	INER	ART UNIT	CLASS-SUBCLASS			
ZIA, S	SYED	243I	380-028000			
	ondence address (or Cha 3/122) attached. ication (or "Fee Address 12 or more recent) attach	inge of Correspondence	2. For printing on the p (I) the names of up to or agents OR, alternativ (2) the name of a singl registered attorney or a 2 registered patent atto listed, no name will be	3 registered patent rely, e firm (having as a r igent) and the names meys or agents. If no	member a 2	
PLEASE NOTE: Uni recordation as set fort (A) NAME OF ASSI	less an assignee is ident h in 37 CFR 3.11. Comp 3NEE	ified below, no assignee pletion of this form is NO	(B) RESIDENCE: (CITY	atent. If an assigned assignment. and STATE OR CO	OUNTRY)	document has been filed for
Please check the appropr	iate assignee category or	categories (will not be pr	inted on the patent):	Individual	poration or other private g	roup entity Government
4a. The following fee(s) Issue Fee Publication Fee (N Advance Order -	o small entity discount p		 Payment of Fee(s): (Plea A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo 	d. Form PTO-2038	is attached.	e shown above) leficiency, or credit any an extra copy of this form).
5. Change in Entity Sta	tus (from status indicates s SMALL ENTITY state		☐ b. Apolicant is no lon	sor claiming SMALI	ENTITY status. See 37 0	PER 1.27(a)(2)
						the assignee or other party in
Authorized Signature		nco ratem and reademark	ome.			
Typed or printed nam				Registration No		
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65913	7590	11/30/2010		EXAMINER		
NXP, B.V.			ZIA, SYED			
NXP INTELLI	ECTUAL I	PROPERTY & I	ART UNIT	PAPER NUMBER		
M/S41-SJ 1109 MCKAY DRIVE				2431 DATE MAILED: 11/30/201	0	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/587,727 TIMMERMANS, DANIEL Notice of Allowability Examiner Art Unit SYFD ZIA 2431 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to 09/10/2010. 2. The allowed claim(s) is/are 1-8 and 10-22. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: a) 🔯 All 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date 3. Information Disclosure Statements (PTO/SB/08), 7. Examiner's Amendment/Comment Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit 8. X Examiner's Statement of Reasons for Allowance of Biological Material Other . /Syed Zia/

Primary Examiner, Art Unit 2431

Art Unit: 2431

DETAILED ACTION

This office is in response to remarks and amendments filed September 10, 2010. Claims 1-8, and 10-22 are pending.

Drawings

The drawings submitted on July 26, 2007 are acceptable.

Response to Arguments

Applicant's arguments filed on September 10, 2010 have been fully considered and previous rejection has been withdrawn.

Allowable Subject Matter

Claims 1-8, and 10-22 are allowed over prior arts.

The above mentioned claims are allowable over prior arts because the CPA (Cited Prior Art) of record fails to teach or render obvious the claimed limitations in combination with the specific added limitations, as recited in independent claims and subsequent dependent claims.

The following is an examiner's statement of reasons for allowance:

The present invention is directed to system of dynamically selecting combinatorial logical circuit for performing different sets of logical operations on input data to produce output data to increases level of protection against power analysis attacks.

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The method involves for processing cryptographic data in the electronic circuit and dynamically selecting a combinatorial logical circuit from set of combinatorial logical circuits (101,103,105) for performing different sets of logical operations on the input data (129) to produce output data (131) for protection against power analysis attacks.

Thus, the cited prior art does not explicitly teach or suggest an electronic circuit for cryptographic processing, comprising:

a first combinatorial logical circuit, having an input, arranged to perform a first set of logical operations on an input data at the input and to produce a corresponding first output data, the first output data having a first functional relation to the input data for said input data within a given range, and

a second combinatorial logical circuit, having an input, arranged to perform a second set of logical operations on an input data at said input and to produce a corresponding second output data, the second output data having a second functional relation to the input data, said second functional relation identical to said first functional relation for said input data within said given range,

wherein the first set of logical operations is different from the second set of logical operations, and

a selector for receiving a given input data and dynamically selecting from among the first combinatorial logical circuit for performing the first set of logical operations on the given input data and the second combinatorial logical circuit for performing the second set of logical operations on the given input data and producing output data, and

wherein the selecting includes inputting the given input data to the input of the

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selected one of the first and second combinatorial logical circuits and outputting a selected first cryptographic processing output, the selected first cryptographic processing output being the output of the selected one of the first and second combinatorial logical circuits.

The examiner has found that the prior art of record does not appear to teach or suggest or render obvious the claimed limitations in combination with the specific added limitations as recited in independent claims and subsequent dependent claims. The prior art of record fails to teach or suggest a system and method as mentioned above.

An updated search did not reveal any prior art that would anticipate or make obvious the currently claimed invention.

Any comments considered necessary by applicant must be submitted no later than the
payment of the issue fee and, to avoid processing delays, should preferably accompany the issue
fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for
Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SYED ZIA whose telephone number is (571)272-3798. The examiner can normally be reached on 9:00 to 5:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William R. Korzuch can be reached on 571-272-7589. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

sz November 18, 2010 /Syed Zia/ Primary Examiner, Art Unit 2431